Isaac Ng

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Computer Science major seeking opportunities for future challenges to improve professional and personal skills.

Education

Case Western Reserve University, Class of 2019   **Cleveland, Ohio**
B.S. Computer Science w/ Business Management Minor, GPA: 3.085   *08/2015—Present*
Coursework: Data Structures, Algorithms, Probabilistic Graphical Models, Programming Language Concepts

Niwot High School, Class of 2015   **Longmont, Colorado**
High School Diploma, GPA: 4.5   *08/2011-05/2015*
Salutatorian, National Merit Finalist, IB Diploma, AP Scholar w/ Honor, Principal's List 4 Years

Experience

Seagate   **Longmont, Colorado**
Firmware Dataflow Engineering Intern   *05/2018-08/2018*
o Added functionality for multiple drives/worker to Python script that parsed csv data.
o Converted excel writing library from XLWT to XLSXWriter to optimize code.
o Attempted to write in multi actuator support for script that generated command list data.
o Communicated effectively with people over in Twin Cities in order to get all scripting projects done.

Seagate   **Longmont, Colorado**
Firmware Dataflow Engineering Intern   *05/2017-08/2017*
o Coordinated with the Firmware Engineering Group via Agile Methodologies.
o Wrote STX script to print different drive data to csv file.
o Wrote Python script to parse drive(s) data and display performance.
o Refactored and debugged code using Coverity, Perforce, Code Collaborator, SBM, and JIRA.

Team Dignitas   **Cleveland, Ohio**
Online Content Writer   *09/2017-08/2018*
o Communicated clearly with supervisor concerning article ideas, submission times, and finished projects.
o Wrote various CSGO articles going in-depth into the game mechanics, theorycraft, and strategies.
o Submitted and revised articles in a timely manner.

Coding Projects

o Wrote 2x2 Rubik's Cube solver that used A* and beam search in Java.
o Wrote byrrice.github.io, a personal website written in HTML/CSS/JavaScript.
o Wrote Loop, a 2D platformer in Unity using C.
o Wrote ImageToSpeech, a Chrome extension that describes images using the Google Vision API in JavaScript.

Skills

Software: Microsoft Office, Sony Vegas Pro, Photoshop, IntelliJ, GitHub, Linux Shell, Unity, Git

Programming Language: Java, Python, Matlab, Scheme, Prolog, Haskell, C#, Markdown/Latex, HTML, CSS, JavaScript

Misc: Agile Methodology, American Red Cross Lifeguard Certification, Mandarin

Honors

Eagle Scout: Senior Patrol Leader, Eagle Scout Project: Sandstone Ranch Restoration

Instruments: Carnegie Hall Royal Conservatory Level 10 Oboe Certification, American String Teacher Association Level 10 Violin Certification

Coding: HackCWRU V Maker Award

Interests/Hobbies

o Vice President of Case Western Club Tennis   *08/2015 - Present*
o Pytte Cup Chair, Social Chair of Phi Gamma Delta(FIJI)   *02/2016 - Present*
o Membership Development Chair of Case Engineering Council   *07/2017 - Present*
o Vice President/Co-Founder of CWRU Without Borders   *10/2017 - Present*
o Captain/In Game Leader of Esports Club Collegiate Star League CSGO Team   *08/2017 - 12/2017*